Format No: CP/TF/01

TEST REPORT ON BITUMEN

Lab ID	:	**CP-2017-11-10-02**
		Date: 11-11-17
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Providing asphalting to main and cross roads to Vinayaka layout in Ward no.02 of Yelahanka Sub division.
Agency	:	Technical Manager (West), KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/WO/135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-11-17
Sample ID No	:	2017-11-10-02-01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	10-11-17

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	**66**	60 to 70
2	Softening Point, °C	**52**	Min. 40°C
3	Ductility, cm	**98**	Min. 75cm
4	Flash point, °C	**245**	Min. 220°C
	Fire point, °C	**265**	

Note:
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Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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****End of Report****

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TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2007)

Lab ID : **CP-RW-2017-11-16-01** **Date: 18-11-17**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Providing asphalting to main and cross roads to Vinayaka layout in Ward no.02 of Yelahanka Sub division.

Agency : Technical Manager (West), KRIDL, BBMP, Bangalore.

Customer Reference : BBMP/EE(YNK.D)/WO/135/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-11-17

Sample ID No : 2017-11-16-01-01

Type of Mix : BC-Plant (Bituminous Concrete)

Date of test : 16-11-17

Oven Dry Weight : 5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-17(grading-2)
19	0	0	0.0	100.0	100
13.2	89	89	1.8	98.2	90-100
9.5	702	791	15.8	84.2	70-88
4.75	895	1686	33.7	66.3	53-71
2.36	587	2273	45.5	54.5	42-58
1.18	492	2765	55.3	44.7	34-48
0.6	503	3268	65.4	34.6	26-38
0.3	528	3796	75.9	24.1	18-28
0.15	458	4254	85.1	14.9	12-20
0.075	350	4604	92.1	7.9	4-10
PAN	396	5000	100	0.0	0

Note:
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Asst. Executive Engineer
Yelahanka Divison
(BBMP)
Yelahanka, Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
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Authorized Signatory
Quality Manager

End of Report

e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-11-13-01** **Date: 15-11-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Providing asphalting to main and cross roads to Vinayaka layout in Ward no.02 of Yelahanka Sub division.
Agency	:	Technical Manager (west), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/WO/135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-11-17
Sample ID No	:	2017-11-13-01-01
Type of Mix	:	DBM-Plant (Dense Bituminous Macadam)
Date of test	:	13-11-17
Weight of Sample	:	5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10 (grading -2)
37.5	0	0	0	100	100
26.5	172	172	3.44	96.56	90-100
19	1013	1185	23.70	76.30	71-95
13.2	520	1705	34.10	65.90	56-80
4.75	1150	2855	57.10	42.90	38-54
2.36	710	3565	71.30	28.70	28-42
0.3	1094	4659	93.18	6.82	7-21
0.075	272	4931	98.62	1.38	2-8
PAN	69	5000	0.00	0	0

Note:-

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End of Report

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2017-11-07-02** **Date: 10-11-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Providing asphalting to main and cross roads to Vinayaka layout in Ward no.02 of Yelahanka Sub division.
Agency	:	Technical Manager (West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/WO/135/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-11-17
Sample ID No	:	2017-11-07-02-01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	07-11-17
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	326	326	3.0	97.0	95-100
22.4	2259	2585	23.5	76.5	60-80
11.2	2179	4764	43.3	56.7	40-60
4.75	2251	7015	63.8	36.2	25-40
2.36	1621	8636	78.5	21.5	15-30
0.6	623	9259	84.2	15.8	8-22
0.075	1338	10597	96.3	3.7	0-5

Note:-

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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